

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 31 2018
OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMLC029426A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM134086

8. Lease Name and Well No.
CEDAR LAKE FEDERAL CA 304H

9. API Well No.
30-015-43557-00-S1

10. Field and Pool, or Exploratory
CEDAR LAKE

11. Sec., T., R., M., or Block and Survey
or Area Sec 3 T17S R31E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3953 GL

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other

2. Name of Operator
APACHE CORPORATION

Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com

3. Address 303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1801

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SWNW 1790FNL 147FWL
At top prod interval reported below SENE 1791FNL 363FEL
At total depth SENE 1791FNL 363FEL

14. Date Spudded
08/20/2017

15. Date T.D. Reached

16. Date Completed
 D & A Ready to Prod.
12/09/2017

18. Total Depth: MD TVD

19. Plug Back T.D.: MD TVD 10278

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL CNL GR CCL

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0		660		600			
12.250	9.625 J55	36.0		3510		1400			
8.500	7.000 L80	29.0		10278		650			
17.500	13.375 H-40	48.0	0	650		270		0	
12.250	9.625 J-55	36.0	0	3500	1800	690		0	
8.500	7.000 L-80	26.0	0	5150		250		2500	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	5537							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	5590	10278	6089 TO 10278			PRODUCING
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6089 TO 10278	TOTAL ACID 1904 BBL, TOTAL SAND 2,817,501#

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/09/2017	12/25/2017	24	▶	285.0	281.0	1139.0	986.0		ACCEPTED FOR RECORD ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			▶	285	281	1139		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			▶						

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #399401 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED **

Reclamation due by 06/09/2018

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
RUSTLER	584	735	ANHYDRITE, DOLOMITE W	RUSTLER	584
SALADO	735	1760	ANHYDRITE, DOLOMITE W	SALADO	735
TANSILL	1760	1927	ANHYDRITE, SALT, DOLO, SS OGW	TANSILL	1760
YATES	1927	2204	SANDSTONE OGW	YATES	1927
SEVEN RIVERS	2204	2821	SS, DOLO, LIMESTONE OGW	SEVEN RIVERS	2204
QUEEN	2821	3230	SS, DOLO, LIMESTONE OGW	QUEEN	2821
GRAYBURG	3230	3541	DOLO, LIMESTONE, SS OGW	GRAYBURG	3230
SAN ANDRES	3541	5030	DOLO, LIMESTONE, SS OGW	SAN ANDRES	3541

32. Additional remarks (include plugging procedure):

GLORIETA 5030-5095 SANDSTONE OGW
 PADDOCK 5095-5590 DOLOMITE OGW
 BLINEBRY 5590 - TD(10,278) DOLOMITE OGW

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #399401 Verified by the BLM Well Information System.
 For APACHE CORPORATION, sent to the Carlsbad
 Committed to AFMSS for processing by DUNCAN WHITLOCK on 01/10/2018 (18DW0042SE)**

Name (please print) EMILY FOLLIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 01/03/2018

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ****

Additional data for transaction #399401 that would not fit on the form

23. Casing and Liner Record, continued

Hole Size	Size/Grade	Wt. (#/ft.)	Top(MD)	Btm(MD)	Stg Cmnt	Sx, Type Cmnt	Slurry Vol	Cement Top	Amt Pulled
8.500	5.500	L-80 17.0	5150	10234					

Revisions to Operator-Submitted EC Data for Well Completion #399401

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC029426A	NMLC029426A
Agreement:		NMNM134086 (NMNM134086)
Operator:	APACHE CORPORATION 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705 Ph: 432-818-1801	APACHE CORPORATION 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705 Ph: 432.818.1000
Admin Contact:	EMILY FOLLIS REGULATORY ANALYST E-Mail: Emily.Follis@apachecorp.com Ph: 432-818-1801	EMILY FOLLIS REGULATORY ANALYST E-Mail: Emily.Follis@apachecorp.com Ph: 432-818-1801
Tech Contact:	EMILY FOLLIS REGULATORY ANALYST E-Mail: Emily.Follis@apachecorp.com Ph: 432-818-1801	EMILY FOLLIS REGULATORY ANALYST E-Mail: Emily.Follis@apachecorp.com Ph: 432-818-1801
Well Name: Number:	CEDAR LAKE FEDERAL CA 304H	CEDAR LAKE FEDERAL CA 304H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 3 T17S R31E Mer 1790FNL 147FWL	NM EDDY Sec 3 T17S R31E Mer NMP SWNW 1790FNL 147FWL
Field/Pool:	CEDAR LAKE;GLORIETA- YESO	CEDAR LAKE
Logs Run:	CBL,CNL,GR,CCL	CBL CNL GR CCL
Producing Intervals - Formations:	UPPER BLINEBRY	BLINEBRY
Porous Zones:	RUSTLER SALADO TANSIL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES	RUSTLER SALADO TANSILL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES
Markers:	RUSTLER SALADO TANSIL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES	RUSTLER SALADO TANSILL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES